

FILE COPY

JUN 14 2023

Originally received 6-12-23 via DocuSign

Mail to:
SD DANR, Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

No. 8771-3 Hydrologic Unit 10170201
Basin Upper Big Sioux
Newspaper Castlewood/Hamlin Cty Republican (Wed) 793-2293
Watertown Public Opinion (office use only)

OFFICE OF
WATER
PAID
JUN 14 2023
Ck# 6114123
Rec'd# 28410

Application for Permit to Appropriate Water in South Dakota

Check use(s) of water:

<input type="checkbox"/> Municipal	<input type="checkbox"/> Water Distribution System	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input type="checkbox"/> Rural Water System	<input type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal
<input type="checkbox"/> Domestic (over 18 gpm)	<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Other <u>Agricultural (Dairy Cattle)</u>	

Type of Application: (check one)

☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Water Permit County Line Dairy, LLC

Mailing Address 45767 177 th st watertown sd 57201
(Address) (City) (State) (Zip Code)
Phone _____ Mobile 605-881-0992 Email countylinedairysd.com and siouxriverdairy@g

2. Amount of water claimed 1.55 *CFS or 700 **GPM and 230 ***AF or 75,000 (Gallons
Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply 3 wells

4. Location of point of diversion 3 wells on the north side of SW 2-115N-52W NW 1/4 SW 1/4 County Hamlin
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☒ Yes ☐ No

If "Yes," where will water be used? NE 2-115N-52W Hamlin County
(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Hamlin

6. Annual period during which water is to be used 365 Days

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

3 wells to be constructed. 1@100 GPM and 2@300 GPM
attached preliminary test hole reports

I, Jim Czech member, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable)

☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 3 Have test holes been drilled? ☒ Yes ☐ No Drilled by Thein well drillers
(if yes, please provide copies of logs)

b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

c) Well Depth (required) 33 Depth to Top of Water Bearing Material 6 Depth to Water from Surface 10

d) Distance to nearest domestic well on applicant's property NA Property owned by others NA

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

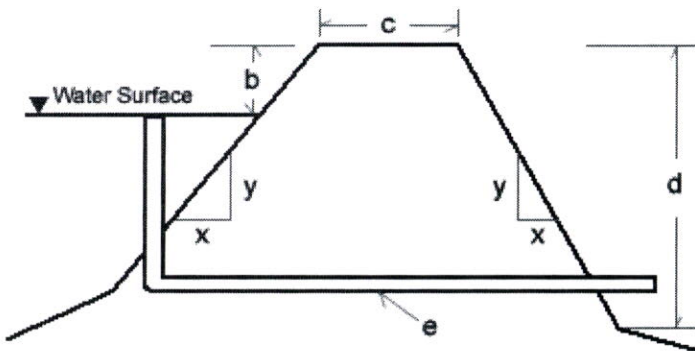
Upstream _____

Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

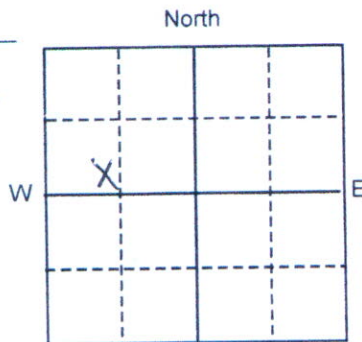


SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 NW 1/4 Sec 2 Twp 115 Rg 52County Hamlin

Please mark well location with an "X"



Well Completion Date

December 22, 2021

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
_____ ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock
☐ Irrigation
 ☐ Municipal
☐ Industrial
 ☐ Business
☐ Institutional
 ☒ Test holes
☐ Monitoring well

METHOD OF DRILLING:

CASING DATA:

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	4	_____ Lb/gal	0.0 Ft	40.0 Ft
		_____ Lb/gal	_____ Ft	_____ Ft

Describe grouting procedure
TREMMIE PIPED

SCREEN:

☐ Perforated pipe
 ☐ Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ Feet
 Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?
☒ No, Why Not? TEST HOLE ONLY
 Lab to which water quality sample sent for analysis _____
Well Owner: JIM CZECH

Business Name: _____

Address: 45767 177TH STCity, State, Zip: WATERTOWN SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	4
CLAY BROWN	4	6
GRAVEL	6	9
SAND	9	21
GRAVEL	21	28
CLAY GRAY	28	40

STATIC WATER LEVEL

 _____ FEET
 If flowing: closed in pressure _____ PSI
 GPM flow _____ through _____ Inch pipe
 Controlled by ☐ Valve ☐ Reducers ☐ Other _____
 Reduced flow rate _____ GPM
 Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____
☐ Bailed
☐ Other _____

Pumping Level Below Land Surface

 _____ Ft. After _____ Hrs. pumped _____ GPM
 _____ Ft. After _____ Hrs. pumped _____ GPM
 If pump installed, pump rate: _____ GPM

REMARKS

TH # 8 GPS N 44 47.8170 W 97 2.5200

300 gal

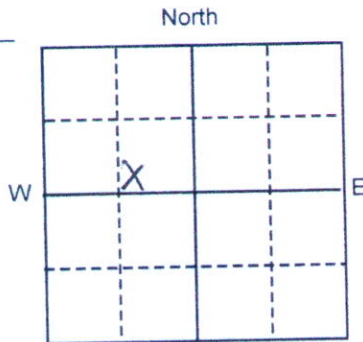
This well was drilled under license # 475 and this report is true and accurate.Drilling firm: THEIN WELL COMPANY, INC

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location SE 1/4 NW 1/4 Sec 2 Twp 115 Rg 52County HamlinPlease mark well
location with an "X"

Well Completion Date

December 22, 2021

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	4	Lb/gal	0.0 Ft	40.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
TREMMIE PIPED

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ Feet
 Other information _____
WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____☒ No, Why Not? _____Lab to which water
quality sample sent for analysis _____

TEST HOLE ONLY

Well Owner: JIM CZECH

Business Name: _____

Address: 45767 177TH STCity, State, Zip: WATERTOWN SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	4
CLAY BROWN	4	6
GRAVEL	6	19
SAND AND GRAVEL	19	33
CLAY BROWN	33	40

STATIC WATER LEVEL

 If flowing: closed in pressure _____ FEET
 GPM flow _____ through _____ PSI
 Controlled by ☐ Valve ☐ Reducers ☐ Other _____ Inch pipe

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: _____
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TH # 7 GPS N 44 47.8180 W 97 2.4020

300 gal

This well was drilled under license # 475 and this report is true and accurate.Drilling firm: THEIN WELL COMPANY, INC

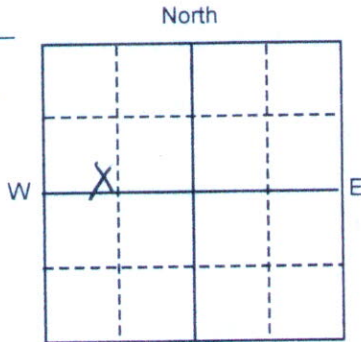
Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 NW 1/4 Sec 2 Twp 115 Rg 52County HamlinPlease mark well
location with an "X"

Well Completion Date

December 22, 2021

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

CASING DATA:

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	4	Lb/gal	0.0 Ft	40.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
TREMMIE PIPED

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ Feet
 Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION:

Was well disinfected upon completion?

☐ Yes, How? _____☒ No, Why Not? _____

TEST HOLE ONLY

Lab to which water
quality sample sent for analysisWell Owner: JIM CZECH

Business Name: _____

Address: 45767 177TH STCity, State, Zip: WATERTOWN SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	4
CLAY BROWN	4	6
GRAVEL	6	10
SAND AND GRAVEL	10	28
CLAY GRAY	28	40

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____

PSI

GPM flow _____

through _____

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other _____

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TH #9 GPS N 44 47.8150 W 97 2.6150

300 gal

This well was drilled under license # 475 and this
report is true and accurate.Drilling firm: THEIN WELL COMPANY, INC

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

JIM CZECH TEST HOLES SEC 2 & 3 WATERTOWN

Legend

TH #

TH # 1 40' - JIM CZECH
TH # 2 60'
TH # 3 40'
TH # 4 40'
TH # 5 60'
TH # 6 40'
TH # 7 40'
TH # 8 40'
TH # 9 40'

SW 2-118-52



Untitled Map

County Line Dairy LLC projected location for wells
SW 2-115N-52W hamlin county

Legend

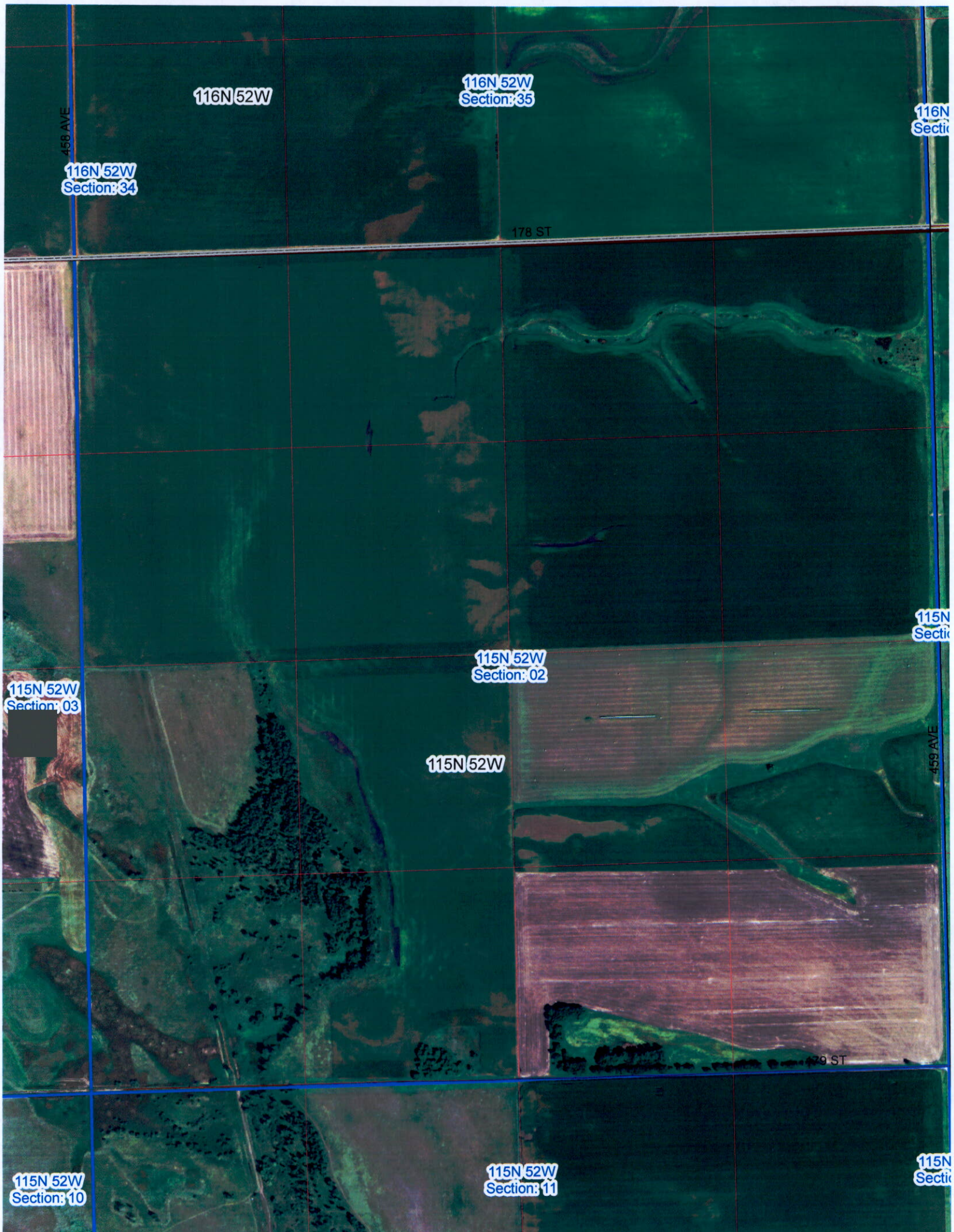
○ Untitled Path

well 3
well 2 Proposed well 1

Google Earth

2000 ft





116N 52W

116N 52W
Section: 35

116N
Section

116N 52W
Section: 34

178 ST

115N
Section

115N 52W
Section: 02

115N 52W
Section: 03

115N 52W

459 AVE

429 ST

115N 52W
Section: 10

115N 52W
Section: 11

115N
Section